

## SPECIFICATION AMENDMENTS:

[0097] Following graphitization, the robust carbon monolith is fabricated into a column for liquid chromatography in accordance with the present invention. ~~Fig. 17~~ Figs. 17a, 17b schematically ~~illustrates~~ illustrate the cross-section of a carbon column ~~470~~ 70. First, the monolith ~~472~~ 72 can be clad with an inert cladding ~~474~~ 74, such as polytetrafluoroethylene (PTFE).

[00103] ~~Figs. 46—47~~ 17a, 17b show schematically, not to scale, a chromatography column 70 including carbon monolith 72, cladding 74, and ~~tube support~~ 76 such as a tube, for example.

[00115] The present invention can be, among other applications, used as the working electrode of EMLC columns. The column may be configured as a 2-electrode or a 3-electrode EMLC column. According to the requirements of the analyst, the counter-electrode and of the reference electrode could be placed in the column, upstream, or downstream of the column. ~~Fig. 18 shows a configuration of a carbon column connected in an EMLC system~~